

(PCT Article 36 and Rule 70)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/050648

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 3-19 _____ as originally filed/furnished
- pages* 1, 2 _____ received by this Authority on 11.09.2004 with letter of 07.09.2004
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1-28 _____ received by this Authority on 11.09.2004 with letter of 07.09.2004
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1/8-8/8 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1.	Statement		
	Novelty (N)	Claims <u>1-28</u>	YES
		Claims <u></u>	NO
	Inventive step (IS)	Claims <u>1-28</u>	YES
		Claims <u></u>	NO
	Industrial applicability (IA)	Claims <u>1-28</u>	YES
		Claims <u></u>	NO
2.	Citations and explanations (Rule 70.7)		
	Reference is made to the following documents:		
	D1: EP-A-1 149 694 (MIYAKOSHI PRINTING MACH) 31 October 2001 (2001-10-31)		
	D2: US-A-5 060 569 (GLADOW DEAN E) 29 October 1991 (1991-10-29).		
	1 Independent claim 1		
	1.1	Document D2, which is considered the closest prior art, discloses (the references between parentheses relate to D2), a printing unit (24), wherein at least one cylinder (182) or roll is mounted in a frame part (50) which can be displaced on rollers (204, 210).	
	1.2	The problem to be solved is that of reducing the load on the movable roller-mounted frame part in the operating mode and to make track guidance easier and more economical.	
	1.3	The solution proposed in the present application essentially consists in mounting adjustable	

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	<p>rollers on the frame part, which in the operational state are pulled in, in combination with track guidance devices which are securely fastened to the other frame part (see the characterizing part of claim 1). This solution is not disclosed or suggested in the prior art.</p> <p>Consequently, the present independent claim 1 involves an inventive step within the meaning of PCT Article 33(3).</p> <p>2 Independent claim 2</p> <p>2.1 Document D2, which is considered the closest prior art, discloses (the references between parentheses relate to D2), a printing unit (24), wherein at least one cylinder (182) or a roll is mounted in a frame part (50) which can be displaced by rollers (204, 210), and these rollers (204, 210) move the frame part along tracks (112, 114).</p> <p>2.2 The problem to be solved is that of reducing the load on the movable frame part on rollers in the operational state.</p> <p>2.3 The solution suggested in the present application essentially consists in mounting adjustable rollers on the frame part, wherein in the operational state the rollers are retracted and the tracks partly carry the movable frame part (see the characterizing part of claim 2). This solution is not part of the prior art. Moreover,</p>

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	<p>the prior art offers nothing to suggest the above solution.</p> <p>Consequently, the present independent claim 2 would appear to involve an inventive step within the meaning of PCT Article 33(3).</p> <p>3 Independent claim 23</p> <p>3.1 Document D1, which is considered the closest prior art, discloses (the references between parentheses relate to D1), a printing unit (2a, 2b), wherein at least one cylinder (3a, 3b, 4a, 4b) or a roll are mounted in a frame part (10a) which can be moved relative to a further frame part (1d).</p> <p>3.2 The problem to be solved is that of driving the movable frame part and increasing safety.</p> <p>3.3 The solution suggested in the present application essentially consists in providing the immovable frame part with a self-inhibiting drive which can be disconnected from the rack track, and in providing the movable frame part with a rack track, which increases safety (see the characterizing part of claim 23). This solution is not disclosed or suggested in the prior art.</p> <p>Consequently, the present independent claim 23 would appear to involve an inventive step within the meaning of PCT Article 33(3).</p>

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4	Independent claim 28 <p data-bbox="302 457 1357 730">4.1 Document D1 contains all the features of the present independent claim 28. It discloses a method for moving a frame part (50) of a printing unit (24), wherein the frame part (50) is first lifted vertically and then horizontally displaced along tracks (204, 210).</p> <p data-bbox="302 804 1336 877">4.2 The problem to be solved is that of reducing the load on the mobile roller-mounted frame part.</p> <p data-bbox="302 951 1357 1176">4.3 The proposed solution essentially consists in the fact that the mobile frame part rests directly on the tracks. The prior art offers nothing to suggest permitting the mobile frame part to rest on the tracks.</p> <p data-bbox="418 1249 1357 1375">Therefore, the present independent claim 28 would appear to involve an inventive step within the meaning of PCT Article 33(3).</p> <p data-bbox="302 1446 1125 1472">5. Dependent claims 3 to 22 and 24 to 27</p> <p data-bbox="418 1545 1357 1719">The above claims are dependent on inventive independent claims and therefore likewise involve an inventive step within the meaning of PCT Article 33(3).</p>